

**DECLARATION, POWER OF ATTORNEY, AND PETITION**

To The Commissioner of Patents and Trademarks:

I, James L. Malandra, declare:

that I am a citizen of the United States of America residing at 1543 S. Florence Ave., Tulsa, Oklahoma 74104 and having a post office address of 1543 S. Florence Ave., Tulsa, Oklahoma 74104;

that I have reviewed and understand the contents of the application Serial No. 10/120,672, filed April 11, 2002, including the specification and claims and I verily believe I, Edward L. Sughrue, Marvin M. Johnson, Glenn W. Dodwell, Larry E. Reed, Joseph E. Bares, Jason J. Gislason and Robert W. Morton are the original, first, and joint inventors or discoverers of the invention or discovery in **DESULFURIZATION AND SORBENTS FOR SAME** described and claimed therein and for which a patent is sought;

that this application is a continuation-in-part of our pending prior application Serial No. 10/072,209, filed May 30, 2000;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations § 1.56;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this continuation-in-part application;

that no application for patent or inventor's certificate corresponding to this application or to said prior application has been filed by us or our representatives or assigns in any country foreign to the United States of America except as listed hereafter;

<u>Country</u>	<u>Serial No.</u>	<u>Filing Date</u>
Argentina	P010102159	05/23/01
Egypt	Unknown	Unknown
GCC	P/2001/1397	05/26/01
PCT	PCT/US01/17619	05/29/01
Venezuela	001140/01	05/29/01

and I hereby appoint Jeffrey R. Anderson, Registration No. 42,263; Ryan N. Cross, Registration No. 33,861; Beverly M. Dollar, Registration No. 32,870; John M. Fish, Jr., Registration No. 25,863; Gary L. Haag, Registration No. 35,529; Lynda S. Jolly, Registration No. 32,736; and Allen W. Richmond, Registration No. 28,662; who comprise the firm of **Richmond, Hitchcock, Fish & Dollar, P. O. Box 2443, Bartlesville, Oklahoma, 74005**, Registration No. 20,286; and Archie W. Umphlett, Registration No. 25,935, each attorney a member of the Bar

of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

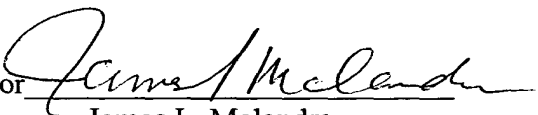
I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Wherefore I pray that Letters Patent be granted to Phillips Petroleum Company, a corporation organized and existing under the laws of the State of Delaware and domiciled and having an office at Bartlesville, Oklahoma, as assignee, for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney and this petition.

Correspondence Address:

c/o **RICHMOND, HITCHCOCK,  
FISH & DOLLAR  
P.O. Box 2443  
Bartlesville, Oklahoma 74005**

Inventor

  
James L. Malandra

Date MAY 28, 2002

IN THE UNITED STATES PATENT

In re Application of: Edward L. Sughrue  
Serial No.: 10/120,672  
For: DESULFURIZATION AND SORBENT FOR SAME

07-06-2002  
102147575

36US2

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PATENT RECORDATION FORM COVER LETTER

Commissioner for Patents  
Washington, D. C. 20231

Sir:

Please record the attached, original, executed assignment for the above-identified patent application.

1. The name(s) of the conveying party(ies):

Edward L. Sughrue	Larry E. Reed	Robert W. Morton
Marvin M. Johnson	Joseph E. Bares	James L. Malandra
Glenn W. Dodwell	Jason J. Gislason	

2. The name and address of the receiving party is:

Name: Phillips Petroleum Company, a corporation of Delaware, having a place of business  
at Bartlesville, in the county of Washington, in the state of Oklahoma.  
Address: Bartlesville, Oklahoma 74004

3. Nature of conveyance: Assignment executed on May 23, 2002; May 28, 2002; June 3, 2002;  
June 4, 2002; June 8, 2002.

4. The Patent Application No. is identified in the heading at the top of this page.

5. Correspondence concerning this document should be addressed to:

RICHMOND, HITCHCOCK, FISH & DOLLAR  
P. O. Box 2443  
Bartlesville, Oklahoma 74005

6. This document involves one (1) patent application.

7. Please charge the total fee (37 CFR 3.41) of \$40.00 to Deposit Account 16-1575.

To the best of my knowledge and belief, the foregoing information is true and correct and any  
attached copy is a true copy of the original document.

Respectfully submitted,  
RICHMOND, HITCHCOCK,  
FISH & DOLLAR

By

*Lynda S. Jolly*  
Lynda S. Jolly  
Registration No. 32,736

PATENT OFFICE USE ONLY

07/08/2002 LMUELLER 00000209 161575 10120672  
01 FC:581 40.00 CH

**ASSIGNMENT**

WHEREAS, we, Edward L. Sughrue of Bartlesville, Oklahoma, Marvin M. Johnson of Bartlesville, Oklahoma,, Glenn W. Dodwell of Bartlesville, Oklahoma,, Larry E. Reed of Bartlesville, Oklahoma,, Joseph E. Bares of Bartlesville, Oklahoma,, Jason J. Gislason of Bartlesville, Oklahoma,, Robert W. Morton of Bartlesville, Oklahoma and James L. Malandra of Tulsa, Oklahoma have made a certain invention entitled:

**DESULFURIZATION AND SORBENT FOR SAME**

which is described and claimed in that application for Letters Patent of the United States having attorneys docket designation 33936US2,

and WHEREAS, Phillips Petroleum Company, a corporation of Delaware, is desirous of acquiring an interest in said invention,

NOW, THEREFORE, in consideration of one dollar, receipt of which is hereby acknowledged, and other good and valuable consideration, we, Edward L. Sughrue, Marvin M. Johnson, Glenn W. Dodwell, Larry E. Reed, Joseph E. bares, Jason J. Gislason, Robert W. Morton and James L. Malandra by these presents do sell, assign, and transfer unto Phillips Petroleum Company the full and exclusive right, for the territory of the United States of America and for all foreign countries, in and to the said invention, as described in said application executed on even dates herewith, preparatory to obtaining Letters Patent of the United States therefor; said invention, application and Letters Patent to be held and enjoyed by the said Phillips Petroleum Company, for its own use and behalf, and for its legal representatives, to the full end of the term for which said patent or patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

AND we do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing, reissue or foreign application or applications based on the present application.

AND we do further agree to communicate to Phillips Petroleum Company, its successors, assigns or other legal representatives, such facts relating to said invention as may be known to us, and to testify as to such facts in any prosecution, interference or litigation.

Executed by the undersigned on the dates indicated.

In the presence of

<u>[Signature]</u> Witness	<u>Edward L. Sughrue</u> Edward L. Sughrue	<u>MAY 23, 2002</u> Date
<u>[Signature]</u> Witness	<u>Marvin M. Johnson</u> Marvin M. Johnson	<u>May 23, 2002</u> Date
<u>[Signature]</u> Witness	<u>Glenn W. Dodwell</u> Glenn W. Dodwell	<u>May 23, 2002</u> Date
<u>Carolyn R. Burns</u> Witness	<u>Larry E. Reed</u> Larry E. Reed	<u>June 3, 2002</u> Date
<u>[Signature]</u> Witness	<u>Joseph E. Bares</u> Joseph E. Bares	<u>May 28, 2002</u> Date
<u>[Signature]</u> Witness	<u>Jason J. Gislason</u> Jason J. Gislason	<u>June 4, 2002</u> Date
<u>[Signature]</u> Witness	<u>Robert W. Morton</u> Robert W. Morton	<u>June 8, 2002</u> Date
<u>[Signature]</u> Witness	<u>James L. Malandra</u> James L. Malandra	<u>MAY 28, 2002</u> Date

Post Office Address:

**RICHMOND, HITCHCOCK, FISH & DOLLAR**  
**P.O. Box 2443**  
**Bartlesville, Oklahoma 74005**

## DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Edward L. Sughrue, declare:

that I am a citizen of the United States of America residing at 6468 Clear Creek Loop, Bartlesville, Oklahoma 74006 and having a post office address of 6468 Clear Creek Loop, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the application Serial No. 10/120,672, filed April 11, 2002, including the specification and claims and I verily believe I, Marvin M. Johnson, Glenn W. Dodwell, Larry E. Reed, Joseph E. Bares, Jason J. Gislason, Robert W. Morton and James L. Malandra are the original, first, and joint inventors or discoverers of the invention or discovery in **DESULFURIZATION AND SORBENTS FOR SAME** described and claimed therein and for which a patent is sought;

that this application is a continuation-in-part of our pending prior application Serial No. 10/072,209, filed May 30, 2000;

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of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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Correspondence Address:

**c/o RICHMOND, HITCHCOCK,  
FISH & DOLLAR  
P.O. Box 2443  
Bartlesville, Oklahoma 74005**

Inventor

Edward L. Sughrue  
Edward L. Sughrue

Date

Mar 23, 2002

## DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Marvin J. Johnson, declare:

that I am a citizen of the United States of America residing at 4413 Woodland Road, Bartlesville, Oklahoma 74006 and having a post office address of 4413 Woodland Road, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the application Serial No. 10/120,672, filed April 11, 2002, including the specification and claims and I verily believe I, Edward L. Sughrue, Glenn W. Dodwell, Larry E. Reed, Joseph E. Bares, Jason J. Gislason, Robert W. Morton and James L. Malandra are the original, first, and joint inventors or discoverers of the invention or discovery in **DESULFURIZATION AND SORBENTS FOR SAME** described and claimed therein and for which a patent is sought;

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and I hereby appoint Jeffrey R. Anderson, Registration No. 42,263; Ryan N. Cross, Registration No. 33,861; Beverly M. Dollar, Registration No. 32,870; John M. Fish, Jr., Registration No. 25,863; Gary L. Haag, Registration No. 35,529; Lynda S. Jolly, Registration No. 32,736; and Allen W. Richmond, Registration No. 28,662; who comprise the firm of **Richmond, Hitchcock, Fish & Dollar, P. O. Box 2443, Bartlesville, Oklahoma, 74005**, Registration No. 20,286; and Archie W. Umphlett, Registration No. 25,935, each attorney a member of the Bar



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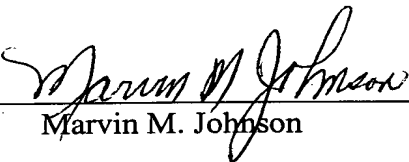
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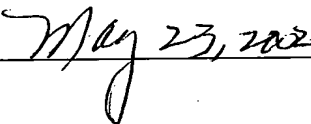
Correspondence Address:

c/o **RICHMOND, HITCHCOCK,  
FISH & DOLLAR  
P.O. Box 2443  
Bartlesville, Oklahoma 74005**

Inventor

  
Marvin M. Johnson

Date

  
May 23, 2002

## DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Glen W. Dodwell, declare:

that I am a citizen of the United States of America residing at 2716 Roanoke Ridge, Bartlesville, Oklahoma 74006 and having a post office address of 2716 Roanoke Ridge, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the application Serial No. 10/120,672, filed April 11, 2002, including the specification and claims and I verily believe I, Edward L. Sughrue, Marvin M. Johnson, Larry E. Reed, Joseph E. Bares, Jason J. Gislason, Robert W. Morton and James L. Malandra are the original, first, and joint inventors or discoverers of the invention or discovery in **DESULFURIZATION AND SORBENTS FOR SAME** described and claimed therein and for which a patent is sought;

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of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Wherefore I pray that Letters Patent be granted to Phillips Petroleum Company, a corporation organized and existing under the laws of the State of Delaware and domiciled and having an office at Bartlesville, Oklahoma, as assignee, for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney and this petition.

Correspondence Address:

c/o **RICHMOND, HITCHCOCK,  
FISH & DOLLAR  
P.O. Box 2443  
Bartlesville, Oklahoma 74005**

Inventor

Glenn W. Dodwell  
Glenn W. Dodwell

Date

May 23, 2002

## DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Larry E. Reed, declare:

that I am a citizen of the United States of America residing at 5701 Park Hill Place, Bartlesville, Oklahoma 74006 and having a post office address of 5701 Park Hill Place, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the application Serial No. 10/120,672, filed April 11, 2002, including the specification and claims and I verily believe I, Edward L. Sughrue, Marvin M. Johnson, Glenn W. Dodwell, Joseph E. Bares, Jason J. Gislason, Robert W. Morton and James L. Malandra are the original, first, and joint inventors or discoverers of the invention or discovery in **DESULFURIZATION AND SORBENTS FOR SAME** described and claimed therein and for which a patent is sought;

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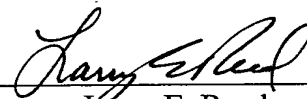
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Correspondence Address:

c/o **RICHMOND, HITCHCOCK,  
FISH & DOLLAR  
P.O. Box 2443  
Bartlesville, Oklahoma 74005**

Inventor

  
Larry E. Reed

Date

June 3, 2002

# DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Joseph E. Bares, declare:

that I am a citizen of the United States of America residing at 6005 Martin Place, Bartlesville, Oklahoma 74006 and having a post office address of 6005 Martin Place, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the application Serial No. 10/120,672, filed April 11, 2002, including the specification and claims and I verily believe I, Edward L. Sughrue, Marvin M. Johnson, Glenn W. Dodwell, Larry E. Reed, Jason J. Gislason, Robert W. Morton and James L. Malandra are the original, first, and joint inventors or discoverers of the invention or discovery in **DESULFURIZATION AND SORBENTS FOR SAME** described and claimed therein and for which a patent is sought;

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Correspondence Address:

c/o **RICHMOND, HITCHCOCK,  
FISH & DOLLAR  
P.O. Box 2443  
Bartlesville, Oklahoma 74005**

Inventor

Joseph E. Bares  
Joseph E. Bares

Date

May 28, 2002

**DECLARATION, POWER OF ATTORNEY, AND PETITION**

To The Commissioner of Patents and Trademarks:

I, Jason J. Gislason, declare:

that I am a citizen of the United States of America residing at 4733 Dartmouth Drive, Bartlesville, Oklahoma 74006 and having a post office address of 4733 Dartmouth Drive, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the application Serial No. 10/120,672, filed April 11, 2002, including the specification and claims and I verily believe I, Edward L. Sughrue, Marvin M. Johnson, Glenn W. Dodwell, Larry E. Reed, Joseph E. Bares, Robert W. Morton and James L. Malandra are the original, first, and joint inventors or discoverers of the invention or discovery in **DESULFURIZATION AND SORBENTS FOR SAME** described and claimed therein and for which a patent is sought;

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PCT	PCT/US01/17619	05/29/01
Venezuela	001140/01	05/29/01

and I hereby appoint Jeffrey R. Anderson, Registration No. 42,263; Ryan N. Cross, Registration No. 33,861; Beverly M. Dollar, Registration No. 32,870; John M. Fish, Jr., Registration No. 25,863; Gary L. Haag, Registration No. 35,529; Lynda S. Jolly, Registration No. 32,736; and Allen W. Richmond, Registration No. 28,662; who comprise the firm of **Richmond, Hitchcock, Fish & Dollar, P. O. Box 2443, Bartlesville, Oklahoma, 74005**, Registration No. 20,286; and Archie W. Umphlett, Registration No. 25,935, each attorney a member of the Bar



of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

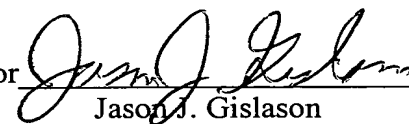
I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Wherefore I pray that Letters Patent be granted to Phillips Petroleum Company, a corporation organized and existing under the laws of the State of Delaware and domiciled and having an office at Bartlesville, Oklahoma, as assignee, for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney and this petition.

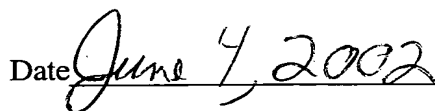
Correspondence Address:

c/o **RICHMOND, HITCHCOCK,  
FISH & DOLLAR**  
**P.O. Box 2443**  
**Bartlesville, Oklahoma 74005**

Inventor

  
Jason J. Gislason

Date

  
June 4, 2002

## DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Robert W. Morton, declare:

that I am a citizen of the United States of America residing at Route 1, Box 343, Bartlesville, Oklahoma 74003 and having a post office address of Route 1, Box 343, Bartlesville, Oklahoma 74003;

that I have reviewed and understand the contents of the application Serial No. 10/120,672, filed April 11, 2002, including the specification and claims and I verily believe I, Edward L. Sughrue, Marvin M. Johnson, Glenn W. Dodwell, Larry E. Reed, Joseph E. Bares, Jason J. Gislason and James L. Malandra are the original, first, and joint inventors or discoverers of the invention or discovery in **DESULFURIZATION AND SORBENTS FOR SAME** described and claimed therein and for which a patent is sought;

that this application is a continuation-in-part of our pending prior application Serial No. 10/072,209, filed May 30, 2000;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations § 1.56;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this continuation-in-part application;

that no application for patent or inventor's certificate corresponding to this application or to said prior application has been filed by us or our representatives or assigns in any country foreign to the United States of America except as listed hereafter;

<u>Country</u>	<u>Serial No.</u>	<u>Filing Date</u>
Argentina	P010102159	05/23/01
Egypt	Unknown	Unknown
GCC	P/2001/1397	05/26/01
PCT	PCT/US01/17619	05/29/01
Venezuela	001140/01	05/29/01

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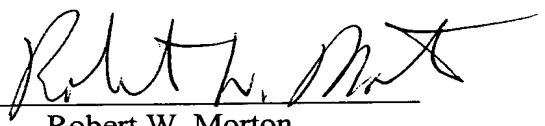
of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

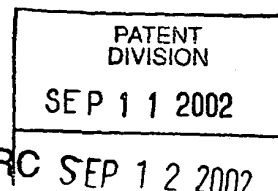
Wherefore I pray that Letters Patent be granted to Phillips Petroleum Company, a corporation organized and existing under the laws of the State of Delaware and domiciled and having an office at Bartlesville, Oklahoma, as assignee, for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney and this petition.

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Robert W. Morton

Date June 8, 2002



SEPTEMBER 05, 2002

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Under Secretary of Commerce For Intellectual Property and  
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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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REEL/FRAME: 013052/0913  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

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DOC DATE: 05/23/2002

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DOC DATE: 06/03/2002

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DOC DATE: 05/28/2002

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DOC DATE: 06/04/2002

ASSIGNOR:  
MORTON, ROBERT W.

DOC DATE: 06/08/2002



013052/0913 PAGE 2

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DOC DATE: 05/28/2002

ASSIGNEE:  
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SERIAL NUMBER: 10120672  
PATENT NUMBER:

FILING DATE: 04/11/2002  
ISSUE DATE:

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